

Abstract

A method for selecting egresses of a multi-ISP local area network, the local area network including a routing switch, which includes an egress user board, the method including the steps of: providing a network address translation (NAT) board for NAT; presetting a NAT address pool corresponding to each ISP egress; querying in the routing table upon request of an outgoing packet from the local area network, determining the next hop for the packet; and determining whether it is necessary to perform NAT at the ISP egress corresponding to the next hop; wherein if necessary, selecting one of the NAT address pools corresponding to the ISP egress, performing NAT by the NAT board, and forwarding the packet to the egress user board corresponding to the ISP; and if unnecessary, forwarding the packet to the egress user board corresponding to the ISP